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UNITED STATES DEPARTMENT OF AGRICULTURE
BUREAU OF HOME ECONOMICS
Washington, D. C.

COMPOSITION AND FUEL VALUE OF BEERS, ALES, AND PORTERS*

Classified according to alcohol % by wt:	Low (3.5% or less)		Medium (3.51 - 6.0%)		High (6.01% or more)	
	%	%	%	%	%	%
	By wt.	By wt.	By wt.	By wt.	By wt.	By wt.
Maltose	1.4		1.4		1.6	
Dextrine	2.0		2.9		2.8	
Acids	.2		.2		.4	
Glycerine	.2		.2		not det'd	
Total**	3.8		4.7		4.8	
Protein (N x 6.25)	.4		.6		.7	
Ash	.2		.2		.4	
Undetermined solids (by difference)	1.0		.5		.8	
Extract***	5.4	5.4	6.0	6.0	6.7	6.7
Alcohol (by wt.)**		3.1		4.2		7.1
Water (by difference)		91.5		89.8		86.2
		100.0		100.0		100.0

Specific gravity	1.015	1.017	1.024
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Estimate of average fuel value

	Calories	Calories	Calories
Per 100 grams	38.8	51.0	72.4
Per 100 cc.	39.4	51.9	74.1
Per pint (474 cc.)	187	246	351

Except for ash and undetermined solids which have been disregarded in these calculations, all of the extract has been counted at 4 calories per gram; alcohol calculated at 7.1 calories per gram.

* Average composition from many analyses, mostly European. Based on Konig, 4th ed. vol. 1 (1905)

**In figuring the carbohydrate content of a diet, maltose, dextrine, acids, glycerine and probably alcohol should be regarded as carbohydrate material.

***Total solids as determined.

